AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A semiconductor device comprising:

a base including a semiconductor material, the base having a source region, a drain region and a channel region disposed between the source region and the drain region;

<u>a gate insulating material disposed an insulating material provided in contact</u> with <u>the channel region of the base</u>; and

<u>a gate</u>an electrode <u>disposed</u>provided on the <u>gate</u> insulating material;

the gate insulating wherein the insulating material including includes silicon, oxygen, either hydrogen or deuterium, and at least one other element other than silicon, oxygen and hydrogen,

the <u>gate</u> insulating material having a <u>first</u> region where B/A is in a range of 1.6 to is 10 or less, where a concentration of the at least one <u>other</u> element in the <u>first</u> region is being defined as A, and a concentration of <u>the</u> hydrogen <u>or deuterium</u> in the <u>first</u> region is being defined as B,

the gate insulating material having a second region where D/C is 1.6 or more, a concentration of the at least one other element in the second region being defined as C, and a concentration of the hydrogen or deuterium in the second region being defined as D,

the second region is located at a portion of the gate insulating material at a distance in a thickness direction of Y/10 of the gate insulating material from an interface between the channel region of the gate insulating material and the base, Y being an average thickness of the gate insulating material.

2-3. (Cancelled)

- 4. (Currently Amended) The semiconductor device as claimed in claim 1, wherein the at least one other element includes is at least one of nitrogen, carbon, aluminum, hafnium, zirconium, and germanium.
- 5. (Currently Amended) The semiconductor device as claimed in claim 1, wherein the concentration of the-hydrogen or deuterium and the concentration of the at least one other-element are measured by Secondary Ion Mass Spectrometry.

6. (Cancelled)

7. (Currently Amended) The semiconductor device as claimed in claim 15claim 1, wherein the gate insulating material is formed into a gate insulating film and anthe average thickness of the gate insulating film is 10 nm or less.

8 - 9. (Cancelled)

10. (Currently Amended) The semiconductor device as claimed in claim 15claim 7, wherein a-the maximum leakage current passing through the gate insulating film in a-the thickness direction thereof that is measured in a state that a-the gate voltage is applied to the electrode so that an-the electric field intensity in the gate insulating film is 3 MV/cm or less is 2 x 10⁻⁸ A/cm² or less.

11-12. (Cancelled)

- 13. (Original) An electronic device comprising the semiconductor device defined by claim 1.
- 14. (Original) An electronic apparatus comprising the electronic device defined by claim 13.

15. (Cancelled)